

Message

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**From:** North, Alexis [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D24E261D2C5F490AA1247230E6198B94-NORTH, ALEXIS]  
**Sent:** 9/6/2019 5:17:32 PM  
**To:** Portmess, Jessica [Portmess.Jessica@epa.gov]; Beeler, Cindy [Beeler.Cindy@epa.gov]  
**Subject:** FW: Follow-up from 5/14 Meeting w/ EPA

I'm roping Jess into this too...

## Ex. 5 Attorney Client (AC)

Thanks,

Alex

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**From:** Beeler, Cindy <Beeler.Cindy@epa.gov>  
**Sent:** Friday, September 6, 2019 10:26 AM  
**To:** North, Alexis <North.Alexis@epa.gov>  
**Subject:** Fw: Follow-up from 5/14 Meeting w/ EPA

## Ex. 5 Deliberative Process (DP)

**Cindy Beeler**  
US EPA Region 8  
Tel: 303-312-6204  
[Beeler.Cindy@epa.gov](mailto:Beeler.Cindy@epa.gov)

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**From:** Beeler, Cindy  
**Sent:** Tuesday, May 21, 2019 12:16 PM  
**To:** [ebaros@bruinep.com](mailto:ebaros@bruinep.com) <[ebaros@bruinep.com](mailto:ebaros@bruinep.com)>  
**Cc:** North, Alexis <[North.Alexis@epa.gov](mailto:North.Alexis@epa.gov)>  
**Subject:** Follow-up from 5/14 Meeting w/ EPA

Erik –

I wanted to follow-up from our discussion when you and your team were here last week. In that meeting, I mentioned DOE's ARPA-E program called MONITOR (Methane Observation Networks with Innovative Technology to Obtain Reductions). The goal is to help jump-start innovative technologies to cost-effectively and accurately locate and measure methane emissions associated with natural gas production. See: <https://arpa-e.energy.gov/?q=arpa-e-programs/monitor>

There is a listing of the projects awarded on the left-hand side of this page. There are a couple of technologies on a UAV platform: Physical Sciences Inc. - RMLD-Sentry for Upstream Natural Gas Leak Monitoring and the Bridger Photonics - Mobile LiDAR Sensor for Rapid and Sensitive Methane Leak Detection Applications.

All eleven technologies/platforms have undergone extensive testing at Colorado State University's METEC Test Facility.

**Cindy Beeler**

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